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The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), November 2002.

October saw more-rapid-than-anticipated oil production by the Organization of Petroleum Exporting Countries, led by increases from Saudi Arabia, Iran, and Venezuela. Levels reached about 2.7 million barrels per day above quota levels, which EIA reports will likely ease upward pressure on oil prices. The rise in production continues a three-to-four-month trend.

While total petroleum demand has been weak and is projected to increase in 2002 by .5 percent compared with last year, EIA describes demand growth for motor gasoline as “robust.” Growing personal disposable income and declining vehicle fuel efficiency will help support this growth in demand for gasoline, which is projected to increase by another three percent in 2003.

Gasoline prices climbed about four cents per gallon in October. This increase may be short-lived, as EIA’s projected decline in crude oil prices will likely reduce prices at the pump, at least through the winter.

Lower crude oil costs are also likely to soften this winter’s increase in residential heating oil prices. EIA expects heating oil to cost 18 cents more than last winter, a revision of 9 cents less than last month’s prediction.

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CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

The 107th Congress adjourned last week for the year. During 2001 and 2002, the House introduced 5,767 bills, and the Senate introduced 3,181 bills. Four House-sponsored authorization bills of interest became public law (see chart on following page).

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Any bills reported in the database, which have not been enacted into law, must be reintroduced during the next Congress in order to be considered.

- Refer to www.eren.doe.gov/femp/resources/initiatives.html – Legislative Databases

Energy Legislation Congress failed to pass comprehensive energy legislation before adjourning for the year. Republican control of the House, Senate, and the White House is expected to change the emphasis of the next energy bill, which is expected to be introduced during the 108th Congress, perhaps as early as January. Last week, Senators Pete Domenici (R/NM) and Don Nickles (R/OK), the next Chairmen of the Committee on Energy and Natural Resources and the Committee on the Budget respectively, suggested that some controversial provisions might be attached to the

budget reconciliation bill instead of a regular authorization bill. A reconciliation bill reconciles the House and Senate budget resolutions, which establish non-binding budget spending levels. Under a Republican-controlled House and Senate, it will be easier for Congress to comply with the funding cap. Controversial provisions that are expected to be included in a reconciliation bill include tax incentives and drilling in the Arctic National Wildlife Preserve. The strategy would make it easier to pass through a budget resolution, because the bill cannot be filibustered like an authorization bill.

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ENERGY AND WATER CONSERVATION AND EFFICIENCY

H.R. 2068	<i>Title 40, United States Code, Public Buildings, Property, and Works</i>	Introduced on June 6, 2001 by James Sensenbrenner (R/WI)	Revises, codifies and enacts without substantive change certain general and permanent laws related to public buildings, property, and works including: Establishes Federal Buildings Fund; Allows GSA to accept goods and services (including rebates or other cash incentives), from utilities, that enhance energy efficiency of Federal facilities; Authorizes GSA to assign all or portion of energy rebates for property leased by GSA to lessor to underwrite costs incurred in undertaking energy improvements in real property if payback for improvement is less than two years than remainder of lease term; Provides procedures for establishing motor vehicle pools and transportation systems to encourage use of mass transit by Federal employees.	8/21/2002 Became Public Law 107-217
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FINANCIAL

H.R. 2646	<i>Farm Security Act of 2001</i>	Introduced on July 26, 2001 by Larry Combest (R/TX)	As amended, includes the following provisions: Title IX establishes new programs to provide incentives for the agricultural sector and rural areas to produce renewable energy and increase energy efficiency including the following provisions: A biobased product-purchasing requirement for Federal agencies if the biobased product is comparable in price, performance, and availability to nonbiobased products; Requires USDA to develop a list of biobased products, similar to the DOE/EPA EnergyStar® Program that identifies environmentally preferable biobased products.	5/13/2002 Became Public Law 107-171
H.R. 3090	<i>Economic Security and Recovery Act of 2001</i>	Introduced on October 11, 2001 by William Thomas (R/CA)	Amends the Internal Revenue Code of 1986 to provide tax incentives to businesses and individuals for economic recovery; Includes extensions of certain expiring provisions including credit for qualified electric vehicles, credit for electricity produced from renewable resources, and deduction for clean-fuel vehicles and certain refueling property.	3/9/02 Became Public Law 107-147

GOVERNMENT REFORM

H.R. 1042	<i>No Short Title</i>	Introduced on March 15, 2001 by Felix Grucci (R/NY)	Prevents elimination of certain reports under Federal Reports Elimination and Sunset Act of 1995 including section 801(b) and (c) of Department of Energy Organization Act (includes reports that deal with Weatherization, Climate Change, and the Stevenson-Wydler Technology Innovation Act of 1980)	11/28/01 Became Public Law 107-74
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STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP

Only two of the 13 annual appropriations bills have been enacted into law. The President signed House Joint Resolution 124 and placed the remaining bills under a continuing resolution until January 11, 2003. The attached charts provide a summary of appropriations bills of interest and the status of those bills.

- Refer to www.eren.doe.gov/femp/resources/initiatives.html – Legislative Databases
- See [Attachment A](#) – FY 2003 Appropriations Chart

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment B](#) – New Legislation of Interest to FEMP

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HEARINGS OF INTEREST OF FEMP

- No new hearings, mark ups, or votes of interest to report.

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FEDERAL AGENCY **ACTIVITIES**

See also:

- [Attachment C](#) – Privatization Projects
- [Attachment D](#) – Federal Building Projects

DEPARTMENT OF COMMERCE

The National Institutes of Standards and Technologies plans to implement Phase II of a three-phased program, the “Action Agenda of the National Alliance for Building Regulatory Reform in the Digital Age.” The purpose of the program is to address the role of information technology and to develop and implement by state and local jurisdiction, processes and procedures to help such jurisdictions respond to natural and manmade disasters. In addition, **the agenda seeks to reduce the regulatory cost of construction by up to 60 percent.** The National Conference of States on Building Codes and Standards has been selected to implement Phase II of the program. For more information, contact Elizabeth Simon at 301-975-5106 and refer to Solicitation Number 03-860-3007.

DEPARTMENT OF DEFENSE

The U.S. Navy has constructed the Federal Government’s largest photovoltaic system at its Naval Base Coronado in San Diego, California. The facility is composed of two arrays on a half-mile-long carport and will produce 750 kW. The project was funded through DOE’s Western Region Super ESPC and carried out by the Naval Facilities Engineering Service Center and the Naval Facilities Engineering Command Contracts Team. (Source: Environmental News Service, November 12, 2002)

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DEPARTMENT OF ENERGY

DOE's National Energy Technology Laboratory has announced plans to acquire a 5k fuel cell unit to provide electrical service to abandoned hardrock mines. The unit will be used for environmental mining. Cost-sharing partners include the Electric Power Research Institute and Fuel Cell Technology of Ontario, Canada. For more information, contact Randy Cooper at 304-285-4106 and refer to Solicitation Number DE-RQ2603NT30018.

DOE's Office of Energy Efficiency and Renewable Energy will hold a December 13 public workshop in Washington, DC, on test procedures for residential central air conditioners and heat pumps and energy conservation standards for small duct high-velocity air conditioners and heat pumps. Visit the DOE web site, www.eren.doe.gov for additional information on the workshop.

On November 4, DOE participated in breaking ground for one of the first zero-energy homes in the nation. John Wesley Miller is building the home in Tucson, Arizona; he is constructing a community of homes that average less than a dollar per day for heating and cooling costs. DOE Assistant Secretary for Energy Efficiency and Renewable Energy David Garman said, "This is the future for the American home. Solar energy technologies are affordable and practical today. Combined with off-the-shelf energy efficiency products and proven construction techniques, solar energy can make houses zero net users of electricity while staying competitively priced." (Source: DOE Press Release, November 4, 2002)

The Department of Energy, the Association of State Energy Research and Technology Transfer Institutions (ASERTTI), and the National Association of State Energy Officials (NASEO) signed an agreement establishing the State Technologies Advancement Collaborative (STAC). STAC will fund selected research and development programs and enable ASERTTI and NASEO to collaborate with the Federal Government more effectively. Assistant Secretary Garman, who signed on behalf of DOE, said, "This agreement will allow the Department of Energy and states to increase their collaboration and leverage financial resources to accomplish mutually agreed upon energy projects." (Source: DOE Press Release, November 14, 2002)

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ENVIRONMENTAL PROTECTION AGENCY

No news of interest to FEMP.

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FEDERAL ENERGY REGULATORY COMMISSION

On December 9, the Federal Energy Regulatory Commission (FERC) will host a technical conference to discuss the Comprehensive Market Redesign 2002 of the California Independent System Operator (CAISO). The conference will elicit comments from Stakeholder Working Groups regarding elements of the redesign and to identify implementation issues. The conference will be held at 9:00 a.m. in a hearing room at FERC headquarters at 888 First Street, NE, Washington, DC.

On December 11, FERC will host a technical conference to discuss liability provisions of its Standard Market Design Tariff. Specific questions to be addressed are:

- Is there a need to include liability provisions in the commission's pro forma Standard Market Design tariff?
- Under what circumstances, should liability protection be provided in a commission open access transmission tariff?

- If the commission adopts liability provisions, should they be generic or do they need to be adopted on a regional basis?
- Should the standards adopted in a commission pro forma tariff reflect what was previously provided under state law? If so, how should this issue be resolved in the multi-state context of an Independent System Operator or Regional Transmission Operator?

The conference will be held at 9:30 a.m. in the Commission Meeting Room on the second floor of the FERC headquarters at 888 First Street, NE, Washington, D.C. Participants may submit written comments regarding liability issues until January 10, 2003.

FERC has extended until December 9 the deadline for comments on the Advance Notice of Proposed Rulemaking for the Standardization of Small Generator Interconnection Agreements and Procedures document. Submit comments to the Federal Energy Regulatory Commission, 888 First Street, NE, Washington, DC 20426.

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DEPARTMENT OF THE INTERIOR

In October, the Bureau of Land Management (BLM) issued new guidelines for the development of wind energy projects and right-of-way applications on Federal lands. There are currently 25 wind projects at BLM sites, with 30 applications pending. The guidelines address a number of issues including the application process, environmental reviews, and right-of-way approvals, among others. (Source: Land Letter, November 7, 2002).

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GENERAL SERVICES ADMINISTRATION

Sempra Energy Solutions has contracted with the General Services Administration (GSA) to install combined heat and power technology in a new 2.3-million-square-foot Food and Drug Administration property in Silver Spring, Maryland. The \$98 million contract will include the construction of photovoltaic panels. Financing will be covered through an energy-savings performance contract, which is expected to save GSA \$2.5 million per year. Bob Dickerman, President of Sempra Energy Solutions, said, "It is gratifying to 'lead the charge' in assuring energy efficiencies and cost savings for them [GSA] through this exciting project. Our partnership is essentially an investment in their new campus and we are committed to providing it the best, most efficient and most reliable energy infrastructure." (Source: *PRNewswire*, October 28, 2002)

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ATLANTA REGION

► *General Energy Conservation/Building Construction/Retrofit Projects*

The Air Force plans to conduct a market survey to identify potential sources for Direct Digital Control equipment and software for Elgin Air Force Base in Florida. The equipment and software must be compatible with existing HVAC equipment and support future upgrades. For more information on Solicitation Number F08651-02-0001, contact Helen Cunningham at 850-882-3144.

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► *Utility/DSM Activities*

The Department of Veterans' Affairs is seeking a contractor with health care facility experience to conduct a feasibility study to upgrade the electrical distribution system at the Medical Center in Gainesville, Florida. Contact Richard Powell at 352-374-6033 for additional information on Solicitation Number 573-019-03.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

► *Utility/DSM Activities*

The Department of Agriculture's Agriculture Research Service recently awarded a contract for natural gas service. The \$80,000 contract to Oneok Energy Marketing of Overland Park, Kansas, will provide service to the agency's Fort Collins office. Contact Richard Jansen at 920-229-5517 on Contract Number 43-82HW3-0006.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

No news of interest to FEMP.

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MULTIPLE REGIONS

► *Utility/DSM Activities*

The General Services Administration is seeking a supplier of natural gas for Federal facilities in various locations. For more information, contact Linda Collins at 202-708-9881 and refer to Solicitation Number GS-00P-03-BSC-0215.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

GENERAL

On Election Day, voters cast their votes on several ballot initiatives that could change the way power is transported, managed, and sold. The following are the relevant decisions made:

- San Francisco voters rejected a referendum that the city take over electric power generation.
- Voters in Las Vegas and Southern Nevada approved a referendum to encourage the state to enable a public takeover of the Nevada Power Company.
- In Wagner, South Dakota, voters rejected a proposal that would have established a municipal utility to replace the investor-owned utility currently servicing the city.
- Voters in the towns of Casselberry and Longwood, Florida, passed a measure to transfer ownership of electric retail services from investor-owned utilities to their respective municipalities.
- Voters in Montana rejected a proposal to transfer ownership of private hydroelectric dams to the state.
- The citizens of Alaska approved a measure establishing a tax-exempt organization to build, own, and operate the North Slope Gas Pipeline, which will transport natural gas to the lower 48 states.
- Voters in Clark County, Nevada, approved a measure allowing the Southern Nevada Water Authority to provide energy to the region. In August, the authority made a bid to buy Nevada Power.

(Source: *UtiliPoint International*, November 7, 2002 and *Greenwire*, November 6, 2002)

ATLANTA REGION

► General State Activities

Arkansas Representative Herschel Cleveland (D) has proposed a 25-cent monthly tax on residential electric and gas meters to fund research on alternative fuels. The bill, slated for debate when the General Assembly convenes next year, will establish an alternative fuels commission to monitor the fund. The proposed tax could raise about two million dollars each year. (Source: *Tax Analysts/State Tax Notes*, November 4, 2002.)

► Status of Utility-Related Activities

The State of Florida is considering changing the rules governing construction of power plants to allow out-of-state energy companies enter electric market. Outlined in a proposal submitted by the Florida Partnership for Affordable and Competitive Energy (PACE), the rules would allow merchant power plants to build plants in the state and sell electricity under long-term contracts. The security of long-term contracts would enable merchant plants to more easily borrow money toward power plant construction. Investor-owned utilities oppose the proposal, stating that the rules could endanger current delivery system reliability. The Public Service Commission will review the proposal in December. (Source: *The Orlando Sentinel*, November 19, 2002)

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BOSTON REGION

► *Status of Utility-Related Activities*

Utility regulators and environmental officials in the State of Connecticut are proposing a new regulatory process that may prevent substantial power failures in Fairfield County. The plan would create a multi-agency planning authority that would be tasked with reviewing and ranking proposals to expand the grid according to “preferential standards” with energy and environmental requirements. The current process requires that agencies separately approve proposals and does not allow for consideration of alternate projects, which might be cleaner or more efficient. Legislative hearings on various parts of the plan will begin in January. (Source: *Associated Press*, October 22, 2002)

The Massachusetts Department of Telecommunications and Energy has issued an order establishing a distributed generation collaborative forum to propose interconnection standards, policies, and procedures for all distribution companies in the state. The order supports simplified, statewide, technical interconnection standards for distributed generation, a time schedule for responding to interconnection applications, and an efficient dispute resolution process. The revised order incorporates issues presented at the initial comment period in June; issues that have arisen since then will be addressed during five meetings that are occurring throughout November and December. To read the order, visit www.state.ma.us/dpu/catalog/6819.htm.

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CHICAGO REGION

► *Status of Utility-Related Activities*

The State of Ohio has instituted a new one-time connection fee for new multi-family dwellings and homes. The fee, which will go into effect on December 1, was implemented because with the state of deregulation, utilities are not able to recover the cost of connecting customers by raising rates. A connection fee of \$100 to \$375 per dwelling will apply to new homes that will be served by FirstEnergy Corporation, American Electric Power Company, or Monongahela Power. (Sources: *The Blade*, November 8, 2002; *Akron Beacon Journal*, November 9, 2002)

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DENVER REGION

► *Status of Utility-Related Activities*

The New Mexico Legislature’s Subcommittee on Public Regulation Commission (PRC) has recommended that the Governor appoint commission members rather than be elected by the voters. The PRC regulates electric and natural gas utilities, telecommunications companies, transportation, insurance, pipeline safety, and fire safety. Ted Hobbs (R-Albuquerque) said that an appointed position would require the individual to be more accountable for his or her actions. One member said that continuing to elect members would be a plausible arrangement if the candidates were assessed for regulatory expertise by a committee before being eligible for election. (Source: *PR Newswire*, October 30, 2002)

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PHILADELPHIA REGION

► *General State Activities*

The State of Maryland has increased its purchase of green power from 6 to 20 percent. New state facilities to be served include the University of Maryland (Eastern Shore), the Eastern Correctional Institute, and Salisbury University. (Source: *Green Power Marketing Monthly Update*, October, 2002)

► *Status of Utility-Related Activities*

The West Virginia Public Service Commission has asked electric utilities to suggest a system for incorporating net metering into the state's electric service system by January 2. The commission will evaluate proposals by April 2 and thoroughly examine net metering laws in other states. PSC Chairman James Williams said the "issue is more complicated than it may first appear, so we will move judiciously in determining whether net metering can be of benefit to all West Virginians. [The investigation] is geared to the future when the cost of alternative power is more in line with present costs of generating power from more traditional means." To read the commission order, visit www.psc.state.wv.us/orders/2002_10/021495c.htm.

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SEATTLE REGION

► *Status of Utility-Related Activities*

On November 1, the Oregon Public Utilities Commission (PUC) approved a plan to charge large industrial customers a fixed transaction fee to switch electric providers. The previous fee plan was based on changing market rates. The plan, which will freeze transition fees for the next five years, was approved in order to provide industrial customers with more stability to gauge budgets. (Source: *EnergyWashington.com*, November 11, 2002)

The California Public Utilities Commission has ordered Southern California Edison, Pacific Gas & Electric (PG&E), and San Diego Gas & Electric (SDG&E) to resume full authority for purchasing electricity for customers in California, effective January 1. Neither PG&E nor Southern California Edison have received an investment-grade credit rating that would allow them to effectively take on this new financial responsibility. A representative for SDG&E, which does not have credit problems, described the order as "a step in the right direction." Electric customers will be assessed a surcharge to pay back \$11.95 billion in bonds used to cover power costs. (Source: *Greenwire*, October 25, 2002)

Portland General Electric has been ordered to lower retail electric rates by 12 percent, effective January 1. The Oregon Public Utilities Commission made its ruling based on hydroelectric generation costs, unmanned plant outages, and power plant depreciation. (Source: *Energy Online*, October 31, 2002)

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UTILITIES AND SUPPLIER ACTIVITIES

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

► *Restructuring Activities*

Kansas Wind Power LLC is petitioning the Butler County Planning Commission for the right to build a 6,000-acre wind farm near Leon, Kansas. On November 6, the commission approved a proposal that will allow wind turbines to be built in the area. The commissioners will consider the company's project on November 26 and another 8,000 acre wind farm proposal from Elk River Windfarm LLC on December 3. A total of nine wind farm companies have applied for projects in the area. (Source: *Wichita Eagle*, November 7, 2002)

► *Public Benefits Programs*

The Public Service Company of New Mexico (PNM) and FPL Energy have entered into an agreement to build a 204 MW wind farm on the Taiban Mesa in DeBaca and Quay counties. PNM will buy the power generated by the farm, which will be constructed and managed by FPL. At a cost of \$200 million, the 138 turbines scheduled to be built in 2003 will power 90,000 homes. Charles Bensinger, Wind Project Director for the Coalition for Clean Affordable Energy, said, "This gives New Mexico bragging rights as a leading state in the U.S. for renewable energy." Early next year, PNM will file for a "green tariff" that will provide customers the opportunity to pay extra for the wind power. Senator Jeff Bingaman (D/NM) commended the project, noting that "This is [New Mexico's] first real demonstration of confidence in renewable energy." (Source: *Albuquerque Journal*, October 29, 2002)

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PHILADELPHIA REGION

► *Public Benefits Programs*

Merck and Company, Inc., has installed the first fuel cell in New Jersey under the Board of Public Utilities' initiative to promote renewable energy technologies. The 200-kilowatt fuel cell, manufactured by UTC Fuel Cells, will provide power that could equate to servicing 100 single-family homes. Merck received a \$710,000 rebate from the New Jersey Clean Energy Program and a \$200,000 rebate from the U.S. Department of Defense's alternative energy program. Both programs were designed to promote the development of private alternative technologies. (Source: *Business Wire*, October 29, 2002)

With the support of Community Energy, **the Energy Cooperative of Pennsylvania is offering 100 kWh blocks of wind power to residential and commercial customers** under the "New Wind Energy" program. (Source: *Green Power Marketing Monthly Update*, October, 2002)

Washington Gas Services and Community Energy are purchasing wind power from the Mountaineer Wind Energy Center in West Virginia to serve commercial and residential customers

in the Washington, DC, area. Recipients of electricity generated by wind power include the National Geographic Society, Catholic University, and the U.S. Army. (Source: *Green Power Marketing Monthly Update*, October, 2002)

Baltimore Gas & Electric Company (BG&E) will expand the company's use of Automatic Meter Reading (AMR) technology. Itron Inc. will add 330,000 automatic gas and electric meters, bringing the total AMR applications in BG&E's territory to over 1.1 million meters. The technology allows meter readers to remotely monitor meters from the street rather than needing to enter homes. Joe Bunch, Director of Meter Services for BG&E, said "Our estimated bills have dropped dramatically since the project began, which gives us revenue certainty and makes our customers happier with the service we provide." (Source: *Business Wire*, October 28, 2002)

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SEATTLE REGION

► *Restructuring Activities*

Arizona Public Service (APS) will complete construction of the largest photovoltaic generation station in the world with its Prescott Airport Solar Power plant, located about 100 miles north of Phoenix. The first phase of the station will distribute 450 kW of power into the APS system, with 1.5 MW installed by March 2003. Over the next three to five years, the utility will expand capacity to five MW. It is financed in part by APS and participating customers who pay \$2.64 per month to have 15 kW hours of their electricity needs generated by solar power. (Source: *Electric Light and Power*, November 4, 2002)

► *Public Benefits Programs*

Southern California Gas Company recently awarded considerable private sector financial incentives for the installation of renewable technologies. The J.J. Mauget Company installed a 30-kilowatt photovoltaic system, and Faith Plating installed four 30-kilowatt microturbines. The Self-Generation Incentive Program, instituted in 2001 by the California Public Utilities Commission, provides businesses up to 50 percent of the installation costs for electric generation systems at a rate of \$4.50 per watt for photovoltaic, wind turbines, and fuel cells operating on renewable fuels; \$2.50 per watt for fuel cells operating on non-renewable fuels; and \$1 per watt for microturbines and internal combustion engines. Richard M. Morrow, Vice President of Customer Sales for Sempra Energy Utilities, said "The Self-Generation Incentive Program makes the purchase and installation of eligible technologies more affordable than ever, which helps our customers become more energy-sufficient and self-reliant." To find out more about the incentive program, visit www.socalgas.com.

Almost 16,000 Puget Sound Energy (PSE) customers have withdrawn from a time-of-use program initiated in May 2001 designed to reduce customer's peak and overall power use. Customers began opting out of the program on October 16 when usage summaries indicated that many customers had been losing money by being in the program. The reports showed that 90 percent of the utility's time-of-use customers lost money compared to what "flat-rate" customers paid for power. PSE spokesman Grant Ringel said that "there was value to the program during [the California] crisis period, but we think that obviously there is major work to be done." (Source: *PR Newswire*, November 1, 2002)

Portland General Electric (PGE) and Pacific Power are reporting that the number of customers signing up for renewable power has more than tripled in the nine months since they began offering renewable power from Green Mountain Energy. PGE has witnessed a 351 percent increase, and Pacific Power has experienced a 362 percent increase. The two utilities plan on increasing marketing efforts to attract new customers to their renewable products. Blair Swezey, Principal Policy Advisor at the National Renewable Energy Laboratory, noted that "The customer participation numbers achieved in the Oregon utility programs are among the best in the nation.... We've learned from other states that customer sign-ups increase with customer awareness of renewable energy options. We expect even more

Oregonians to sign up as the utility information campaigns proceed." (Source: *PR Newswire*, October 29, 2002)

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PRIVATE SECTOR

- Refer to [Attachment E](#) – New Technologies.

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

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CHICAGO REGION

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DENVER REGION

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

Arizona's largest electric utility, APS, dedicated the first phase of what will be one of the largest solar power generating facilities in the world. When completed, the Prescott Airport Solar Power Plant will generate 450 kW. Within five years, the facility will be capable of generating five megawatts. (Source: Environmental News Service, November 1, 2002)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

Secretary of Energy Spencer Abraham announced two new initiatives in Detroit, Michigan, on November 12. The National Hydrogen Energy Roadmap and the New Vision for the 21st Century Truck Partnership focus on improving the energy efficiency and safety of trucks and buses. Part of the partnership will encourage the development of fuel cells, while the roadmap outlines the research, development, demonstration, codes and standards, and education necessary for a clean and sustainable energy future. (Source: Department of Energy press release, November 12, 2002; *Greenwire*, November 13, 2002)

Toyota Motor Corporation plans to expand its gasoline-hybrid engine and to announce plans for additional hybrid models at this January's North American International Auto Show. Toyota hopes to be selling 300,000 hybrids each year by 2007. (Source: *Greenwire*, October 31, 2002)

The Department of Energy announced the opening of the world's first hydrogen station that will co-produce hydrogen fuel for vehicles and for electricity-generating fuel cells. The Las Vegas, Nevada, station is the result of public-private effort that includes DOE, the City of Las Vegas, Air Products and Chemicals Inc., and Plug Power. Assistant Secretary Garman said, "This project supports FreedomCAR by providing the means for learning about hydrogen infrastructure technologies necessary for clean energy-efficient vehicles." (Source: DOE Press Release, November 4, 2002)

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ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

► New Products and Services

The New York State Thruway Authority has started pumping its first winter blend of E85 fuel at the first E85 pump in the state. The service depot in Cheektowaga, New York, is available to the authority's fleet of 100 Ford Taurus flexible-fuel vehicles. (Source: www.ccities.doe.gov/whats_new.shtml, November 2002)

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

► *Infrastructure Activities*

SunLine Transit Agency launched California's first fuel cell transit bus in revenue service. The bus operates on a hybrid system with electricity generated from regenerative braking and by a fuel cell. ThunderPower LLC developed the bus in conjunction with SunLine. (Source: *CALSTART News Notes*, October 31, 2002; *PR Newswire*, October 21, 2002)

► *New Products and Services*

The California Fuel Cell Partnership, a group of California agencies, utilities, and businesses, opened the Bay Area's first hydrogen fueling station in Richmond, California. The 24-kilogram-per-day electrolyzer works by converting water into hydrogen. The station will be used to refuel fuel cell vehicles and buses. The California Fuel Cell Partnership plans to have 60 hydrogen-powered cars in California by the end of next year. (Source: *Greenwire*, October 31, 2002; *CALSTART News Notes*, October 30, 2002)

McChord Air Force Base in Washington has opened an alternative fuels service station that carries both biodiesel and E85. McChord Air Force Base has 21 E85 compatible vehicles on base and will soon acquire 85 more. The fuel is transported by truck from Idaho. (Source: www.ccities.doe.gov/whats_new.shtml, November 2002)

Flexcar, the nation's oldest and largest car-sharing company, has expanded into the Los Angeles metropolitan area in Burbank, Union Station, Pasadena, Santa Monica, and Long Beach. Flexcar was started in Seattle in 2000, but recently similar efforts were launched in San Diego and San Francisco. (Source: *CALSTART News Notes*, November 14, 2002)

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MEETINGS, CONFERENCES, AND TRAINING **WORKSHOPS**

► Refer to [Attachment F](#) – Calendar of Upcoming Events.

ATLANTA REGION

Power Engineering and Penn Well is sponsoring the Power Gen International Conference on December 10-12, 2002, in Orlando, Florida. The conference will provide key information to the power generation industry on deregulation issues, power shortages, new efficiency demands, and environmental concerns. For more information, go to pgi2002.events.pennnet.com/home.cfm.

The Construction Materials Recycling Association (CMRA) will hold its tenth annual meeting, CMRA 2003, on January 19-21, 2003, in Fort Lauderdale, Florida. The meeting will cover construction and development topics such as economic forecasting, regulations, policies, public relations, marketing products and recycling in Florida's future. For more information, visit www.loboservices.com/cd/cdworld.htm.

The Georgia Environmental Facilities and the Southface Energy Institute are sponsoring a conference, Greenprints 2003: Sustainable Design, on February 12-15, 2003, in Atlanta, Georgia. The conference includes over 25 sessions led by practitioners and visionaries from the architecture, energy, and transportation fields. The conference will offer advanced how-to sessions on sustainability. With over 70 expert presenters, a Solar Workshop, Green Design Charrette, Master Speakers, the Green Tradeshow and many other activities, the conference will provide an opportunity to network with decision makers and learn first hand from leading practitioners. For more information, visit www.southface.org/home/g2k3/g2k3-programs.htm.

The Center for Construction and Environment is sponsoring the 11th Rinker International Conference on Destruction and Materials Reuse on May 7-10, 2003, in Gainesville, Florida. The objective of this conference is to provide information about worldwide building deconstruction and materials reuse programs that address the key technical, economic, environmental, and policy issues needed to make deconstruction and reuse of building materials a viable option to demolition and landfilling. For more information, visit www.cce.ufl.edu/rinker11/index.htm.

The Department of Energy's Federal Energy Management Program is sponsoring Energy 2003, its sixth annual national energy management workshop and trade show, on August 17-20, 2003, at Wyndham Palace Resort and Spa in Lake Buena Vista, Florida. Attendees include Federal, state, local and private sector energy managers, procurement officials, engineers and architects, energy service companies, transportation officials, utilities, and others involved in energy management around the country. The conference covers the latest cost-effective energy-saving, renewable energy and water efficiency products and equipment. For more information, visit www.energy2003.ee.doe.gov/general.htm.

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BOSTON REGION

The Northeast Sustainable Energy Association is sponsoring a conference and trade show, Building Energy 2003, on March 12-15, 2003, in Boston, Massachusetts. This conference will bring together professionals in the renewable energy and green building fields. For more information, visit www.nesea.org/buildings/be.

The Association of Energy Engineers is sponsoring GLOBALCON 2003 on April 2-3, 2003, in Boston, Massachusetts. The conference aims to assist governmental, commercial, industrial, and institutional end users to lower costs, upgrade facilities, and enhance productivity. For more information, go to www.aeecenter.org/globalcon or call AEE at 770-447-5083.

HCI Publications is sponsoring Waterpower XIII on July 29-31, 2003, in Buffalo, New York. The conference examines new ideas, new technology, and new approaches to enhance the role and contribution of hydropower. For more information, go to www.hcipub.com/wp/index.asp.

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CHICAGO REGION

BioCycle is sponsoring its second annual conference, Renewable Energy from Organics Recycling, on November 18-20, 2003, in Madison, Wisconsin. The conference will center on biomass, but it will also cover government incentives for renewable energy and policies and technologies impacting the renewable energy marketplace. For more information, visit www.jgpress.com/Conferences/Energy2002/AddInfo.html.

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DENVER REGION

Good Company Associates is sponsoring the Clean Energy Policy Forum on December 4, 2002, in Austin, Texas. The conference explores strategies Texas can implement to reduce air pollution and increase efficiency and reliance on clean energy resources. Keynote speakers and panel discussions will include government and industry leaders and consumer and environmental advocates. For more information, visit www.goodcompanyassociates.com/subj/forum.php.

The Utah Department of Environmental Quality, the Environmental Protection Agency, and Salt Lake City are sponsoring the Sustainable Products Training event on December 8-10, 2002, in Sundance, Utah. The event will cover sustainable products in green buildings, certified wood programs, certified organic products, rebates provided to clean vehicle purchasers, sustainable lighting and flooring, and sustainable product purchasing programs. For more information, visit www.sustainableproducts.com/sundance/announce.html.

The Urban Land Institute is sponsoring a conference, The Practice of Environmentally Sensitive Development, on January 15-16, 2003, in Denver, Colorado. The workshop is designed as a collaborative learning experience involving participants and presenters from the public, private, and nonprofit sectors. The event aims to provide the knowledge and tools needed to plan and market conservation developments that are both environmentally suitable and financially profitable. For more information, visit planet.uli.org/events/media/PESD_Br.pdf.

The Department of Energy is co-sponsoring the Biodiesel Research and Brainstorming Workshop on January 29-30, 2003, in New Orleans, Louisiana. Topics are not yet finalized, but more information will be found at www.bb ethanol.com/nbb.

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PHILADELPHIA REGION

The Electric Vehicle Association of the Americas is sponsoring the Electric Transportation Industry Conference on December 10-13, 2002, in Washington, DC. Topics will include battery, hybrid, and fuel cell technology. For more information, go to www.evaa.org.

The National Association of Homebuilders Research Center is sponsoring the National Green Building Conference on March 30-April 1, 2003, in Baltimore, Maryland. This national conference, in its fifth year, focuses on the latest in innovative buildings technologies for the residential building industry. For more information, please visit www.nahbrc.org/conferencesseminarsgreen.asp?TrackID=&CategoryID=1676 or call (888) 602-HOME.

IS Design and Green@work are sponsoring EnviroDesign7, on April 30-May 2, 2003, in Washington, DC. The conference combines keynote speakers, concurrent workshop sessions, a Product Learning Center, and networking opportunities to deliver essential information regarding real-life environmental challenges and concrete solutions. For more information, visit www.isdesignet.com/ED/index.html.

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SEATTLE REGION

EPRI, KeySpan Energy, Sempra Energy Solutions, and Southern California Edison are sponsoring the 13th National Energy Services Conference and Exposition on December 11-13, 2002, in Tucson, Arizona. The conference focuses on all aspects of marketing, marketing management, and energy efficiency, including channel development, market research, segmentation, pricing, distribution/delivery options, promotion/communication, new product development, customer relations management, technical

applications, public and environmental benefits, and customer service. For more information visit:
www.aesp.org/public/articles/brochure_copy.htm.

DOE is cosponsoring the Sixth Electric Utilities Environmental Conference on January 27-30, 2003, in Tucson, Arizona. Tracks will include Air Quality, Climate Change, and Renewable Energy. For more information or to register online, go to www.euec.com.

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STUDIES, REPORTS, **AND ANALYSES**

ENERGY AND WATER CONSERVATION

***Energy Management Handbook*, Fourth Edition, Wayne Turner, 2002.**

This updated edition of the best-selling handbook for energy managers includes new chapters on deregulation and project financing. In addition, the handbook is still a comprehensive guide to everything an energy manager needs to know: from boilers to lighting to HVAC to cogeneration.

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ALTERNATIVE FUELS AND VEHICLES

***UPS CNG Truck Fleet: Final Results*, Department of Energy/National Renewable Energy Laboratory, August 2002.**

The study quantifies the reliability and low emissions of compressed natural gas (CNG) trucks, as found when comparing CNG and diesel vehicles from 1997 to 2000 in Connecticut. CNG truck carbon monoxide emissions were 75 percent lower, oxides of nitrogen 59 percent lower, hydrocarbons and non-methane hydrocarbons four percent lower, and carbon dioxide seven percent lower. The report is available online at www.ctts.nrel.gov/heavy_vehicle/pdfs/31227.pdf or by calling the National Alternative Fuels Hotline at 1-800-423-1363.

***2003 Fuel Economy Guide*, Department of Energy and Environmental Protection Agency, 2002.**

The report lists 2003 model year vehicles that are leaders in fuel economy. Of the top ten cars, all but one is either a hybrid gas system or diesel, with the Honda Insight, Toyota Prius, and Honda Civic hybrid in the top positions. Overall, the average mileage for the cars is 23.6 mpg, which is a decline from 23.9 mpg for 2002 models. The guide is available electronically at www.epa.gov/greenvehicles and will be available in print at car dealerships, public libraries, and credit unions later this fall.

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UTILITY-RELATED ISSUES

***Retail Energy Deregulation Index (RED Index)*, 3rd Edition, Center for the Advancement of Energy Markets, October 2002.**

The report finds that, while Texas leads the nation in the successful transition to deregulated electric markets, there has been minimal progress in any state since the version of the report issued earlier this year. The authors also found that the formation of the North American Energy Standards Board has been

the most significant development in retail restructuring. To purchase the report, visit www.caem.org/webs_ite/pages/red_index_2001.htm.

World Uninterruptible Power Supply Systems, Frost and Sullivan, October 2002.

The report indicates that companies are incorporating uninterruptible power supply systems into their energy electrical infrastructure because many have insufficient power infrastructure and increasing energy load. Frost and Sullivan reports that growth in data storage load is precipitating demand for smaller, energy-efficient servers. To read the report, visit www.frost.com.

Small Scale Cogeneration Handbook, Bernard Kolanowski, 2002.

This handbook includes instructions for building managers on how to evaluate the feasibility and benefits of cogeneration for their facilities. Subjects include new regulations, system selection, permitting, financing, and different technologies.

Combined Heating, Cooling & Power Handbook: Technologies & Applications, Neil Petchers, 2002.

The handbook provides a roadmap for energy managers to optimize financial returns from combined heating and cooling projects. The book provides an overview of heating and power generation technologies, infrastructure, technology types, and steps in project development, implementation, and operation. To purchase, visit www.EnergyPromotion.net.

State Opportunities for Action: Review of Combined Heat and Power State Activities, American Council for an Energy-Efficient Economy, October 2002.

The report assesses state activity regarding financial incentives, interconnection standards, and emission regulations associated with Combined Heat and Power (CHP) projects. The authors find that the states making the most headway with CHP projects are New York, Texas, and California. Most states have no standardized interconnection standards, five states offer state-level financial incentives, and only seven have or are planning any specialized emissions regulations regarding CHP projects. To read the full report, visit aceee.org/pubs/ie022.pdf.

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ATTACHMENT A

STATUS OF FY 2003 APPROPRIATIONS BILLS

(In Billions)

HOUSE

SENATE

Jurisdiction/ FY 2003 Budget Request	302(b) Allocation s/ Approved Funding Level	Bill No.	Full Cmte.	Floor	Conf.	302(b) Allocations/ Approved Funding Level	Bill No.	Full Cmte.	Floor	Conf.
Agriculture \$17.051	\$ 17.601	HR 5263	7/11	7/26		\$ 17.980	S 2801	7/25		
Commerce \$ 40.333	\$ 40.726	-	7/18			\$ 43.475	S 2778	7/18		
Defense \$355.4 P.L. 107-248 (10/2302)	\$354.7	HR 5010	6/24	6/27	10/10	\$ 355.1	S Rpt 107- 213	7/18	8/1	10/16
Energy and Water Development \$25.149	\$ 26.027	HR 5431	9/05			\$ 26.300	S 27844	7/24		
Interior \$18.953	\$ 19.8	HR 5093	7/9	7/17		\$ 19.35	S. 2708	6/27		
Labor / HHS \$129.902	\$129.902	HR 5320				\$133.988	S 2766	7/18		
Military Construction \$ 10.499 P.L. 107-249 (10/23/02)	\$ 10.083	HR 5011	6/24	6/27	10/2	\$ 10.622	S 2709	6/27	7/18	10/11
Transportation \$ 19.851	\$ 19.411	-	10/1			\$ 21.1	S 2808	7/25		
Treasury \$ 17.960	\$ 18.501	HR 5120	7/9	7/24		\$ 18.501	S 2740	7/16		
VA/HUD \$ 92.518	\$ 90.9	-	10/9			\$ 91.434	S 2797	7/25		
H.J. Res 123 signed 11/23/02 P.L. 107 -										

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ATTACHMENT B

NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

Number	Short title	Date	Sponsor	Status
H.R. 5756	No Short Title	November 14	Thomas Udall (D/NM)	Referred to the Committee on Energy and Commerce

Key Provisions:

Amends Title VI of the *Public Utility Regulatory Policies Act of 1978* to establish a Federal renewable energy portfolio standard for certain retail electric utilities.

Requires the following annual percentage of retail electric supplier's base amount generated from renewable energy resources for calendar years 2005 through 2025:

Required annual Calendar Years percentage

2005 through 2006	1%
2007 through 2008	2.2%
2009 through 2010	3.4%
2011 through 2012	4.6%
2013 through 2014	5.8%
2015 through 2016	7%
2017 through 2018	8.5%
2019 through 2020	10%
2020 through 2021	12%
2021 through 2022	14%
2022 through 2023	16%
2023 through 2024	18%
2024 through 2025	20%

A retail electric supplier may satisfy requirements through the submission of renewable energy credits either issued to the retail electric supplier under subsection, obtained by purchase or exchange, or borrowed.

The Secretary of Energy shall establish, not later than 1 year after the date of enactment, a program to issue, track, and monitor the sale or exchange of renewable energy credits.

DOE may collect information necessary to verify and audit annual electric energy generation and renewable energy generation of any entity applying for renewable energy credits, the validity of renewable energy credits submitted by a retail electric supplier, and the quantity of electricity sales of all retail electric suppliers.

If enacted, this portion of the *Public Utility Regulatory Policies Act of 1978* would expire on December 31, 2030.

SENATE

No new legislation of interest to report.

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ATTACHMENT E

NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
Reznor® V3™ Series Gas-Fired Suspended Unit Heater	Thomas and Betts HVAC Division	Up to 83 percent thermal efficiency	www.reznoronline.com
GeneSys™ Air-Cooled Screw Chiller	McQuay International	Efficiency of 10.0 to 10.6 EER at full load and up to 14.0 EER at Integrated Part-Load Value	www.mcquay.com
Gateway B-Vent Fireplace	Heat-N-Glo	High thermal efficiency; ignition system provides a pilot flame only when needed	www.heatnglo.com
SunTwin Series Infrared Heater	Solaronics	Achieves optimal combustion in both operating stages; can be powered by natural gas or propane gas	www.solaronicsusa.com
CF-42 Gas Fireplace	Central Fireplace	Efficiencies of up to 92 percent	www.centralfireplace.com
N-Vintage Water-Source Heat Pump Line	Mammoth Inc.	Meets the new minimum-efficiency requirements under ASHRAE Standard 90.1	www.mammoth-inc.com
3-D Energy Recovery Heat Pipe	Heat Pipe Technology Inc.	Economizer cycle saves money by using outdoor air for ventilation during moderate seasons.	www.heatpipe.com
Milli-Damper™ MVG Series Vent and Flue Damper	Effikal International Inc.	Improves efficiency of gas-fired appliances by relying on electricity generated by the appliance itself	www.effikal.com
Series WV-DV Oil-Fired Boiler	Peerless Heater Co.	AFUE ratings of 85 percent or higher; EnergyStar® rating	www.peerless-heater.com
Lexus II Oil-Fired and Gas-Fired Boiler	Wayne Combustion Systems	High-efficiency	www.waynecombustion.com/
MC2-30H Modular Chiller	ClimaCool Corporation	COP rating of 4.5; high efficiency	www.climacoolcorp.com/
Series ES Electric-Fired Steam Generator	Sussman Electric Boilers	Produces steam efficiently	www.sussmanelectricboilers.com/

Technology	Manufacturer	Manufacturers Claim	Contact
Lighting			
Quicktronic® DALI Dimming Ballast	Osram Sylvania	Suited for daylight harvesting and energy management	www.sylvania.com
Flametip LED Chandelier Bulb	Mule Lighting, Inc.	Lasts 10 times longer and uses up to 90 percent less energy than incandescent chandelier bulbs; consumes less than 1W of power	www.mulelighting.com
Homestar™ Ballast	Universal Lighting Technologies	Improved operating efficiency complies with FCC consumer regulations for residential applications	www.universalballast.com
BT10-SS-RT Signaling and Warning Device	Lumastrobe	Provides over 300 hours of continuous flashing operation	www.lumastrobe.com
HBC Compact Fluorescent Luminaire	Day-Brite Lighting	Energy saving, cost efficient	www.daybritelighting.com
TrackLED™ Lamp	LEDtronics®	Uses .8 to 4 W of energy; saves 80-90 percent of energy costs compared with incandescent lamps; 11-year operating life	www.ledtronics.com
Optanium™ Electronic Ballast	Advance Transformer Co.	High-efficiency design reduces ballast wattage losses compared with standard efficiency units, lowering energy costs	www.advancetransformer.com
Centium® Electronic Ballast	Advance Transformer Co.	High-low switching option offers energy savings	www.advancetransformer.com
AroTech Ceramic Metal Halide Track Lighting	Con-Tech Lighting	Saves energy up to 25 percent over magnetic	www.con-techlighting.com/
1'x1' HID Retrofit	ESI Lighting	Saves energy	www.esilighting.com/P_New.htm
Slim Strip Fixture	ESI Lighting	Provides a cost-effective, energy-efficient alternative to 4-lamp fixtures	www.esilighting.com/P_New.htm
6L Retail	ESI Lighting	Presents an efficient replacement for HID	www.esilighting.com/P_New.htm
ENERGY MANAGEMENT TOOLS			
SearchSpec Lighting Product Search System	Zing Communications, Inc.	Provides standard interactive format to compare specifications of various lighting products	www.zincinc.com
189 Logging Digital Multimeter (DMM) and FlukeView® Forms Kit	Fluke Corp.	Logs stand-alone measurement changes at any designated intervals for up to three days	www.fluke.com/us.asp

Technology	Manufacturer	Manufacturers Claim	Contact
Battery Selection Program	CD Technologies	Provides access to the latest sizing tools and product information to compare products	www.cdpowercom.net
Advanced Power System	GE Digital Energy	Operates automatically under self-contained control, combining power generation, conditioning, and energy storage	www.geindustrial.com/industrialsystems/gede/index.html
Two-Level Lighting System	Ruud Lighting	Activates shift from energy-saving, low-level lighting to full-wattage operation based on occupancy, light level, time, or manual switching	www.ruudlighting.com/
MPAC 1000 Transfer Switch	Kohler Power Systems	Features programmable inputs and outputs to provide flexibility	www.kohlerpowersystems.com/
Predator Family of Talon HVAC Controller	Staefa Control System	Picks up miscellaneous input/output points and performs internal PID control for up to four individual loops without increasing control system network traffic	www.sbt.siemens.com/hvp/staefa/bacs/talon.asp
MISCELLANEOUS			
RS Series Inline Tube Fan	MVP Inc.	Allows 100 percent speed control, promoting energy conservation	www.mastervent.com
Crawford Generator	MQ Power	Oversized radiator has highly efficient fan	www.multiquip.com/

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ATTACHMENT F

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

DATE	EVENT	SPONSOR
December 10-12, 2002	Power Gen International Orlando, FL	Power Engineering and PennWell
January 19-21, 2003	CMRA 2003 Fort Lauderdale, FL	Construction Materials Recycling Association
February 12-15, 2003	Greenprints 2003: Sustainable Design Atlanta, GA	Georgia Environmental Facilities and Southface Energy Institute
May 7-10, 2003	11 th Rinker International Conference on Destruction and Materials Reuse Gainesville, FL	Center for Construction and Environment
August 17-20, 2003	Energy 2003 Orlando, FL	Federal Energy Management Program

BOSTON REGION

DATE	EVENT	SPONSOR
March 12-15, 2003	Building Energy 2003 Boston, MA	Northeast Sustainable Energy Association
April 2-3, 2003	GLOBALCON 2003 Boston, MA	Association of Energy Engineers
July 29-31, 2003	Waterpower XIII Buffalo, NY	HCI Publications

CHICAGO REGION

DATE	EVENT	SPONSOR
November 18-20, 2003	Renewable Energy from Organics Recycling Madison, WI	BioCycle

DENVER REGION

DATE	EVENT	SPONSOR
December 4, 2002	Clean Energy Policy Forum Austin, TX	Good Company Associates
December 8-10, 2002	Sustainable Products Training Sundance, UT	Utah Department of Environmental Quality, the Environmental Protection Agency, and Salt Lake City
December 12-13, 2002	Energy Auditing 101: Identifying Cost Saving Opportunities in Plants and Buildings New Orleans, LA	Association of Energy Engineers
January 15-16, 2003	The Practice of Environmentally Sensitive Development Denver, CO	Urban Land Institute
January 29-30, 2003	Biodiesel Research and Brainstorming Workshop New Orleans, LA	Department of Energy

PHILADELPHIA REGION

Date	Event	Sponsor
December 5-6, 2002	Keys to Energy Management Bethesda, MD	Association of Energy Engineers
December 10-13, 2002	Electric Transportation Industry Conference Washington, DC	Electric Vehicle Association of the Americas
March 30-April 1, 2003	The National Green Building Conference Baltimore, MD	National Association of Homebuilders (NAHB) Research Center
April 30-May 2, 2003	EnvironDesign7 Washington, DC	IS Design and Green@work

SEATTLE REGION

DATE	EVENT	SPONSOR
December 11-13, 2002	13th National Energy Services Conference and Exposition Tucson, AZ	EPRI, KeySpan Energy, Sempra Energy Solutions, and Southern California Edison.
January 27-30, 2003	Sixth Electric Utilities Environmental Conference Tucson, AZ	Department of Energy

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